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Vipin Kumar, Mohammed Zaki
Tutorial notes of the sixth ACM SIGKDD international conference on
Knowledge discovery and data mining August 2000

**2** Range queries in OLAP data cubes

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Ching-Tien Ho, Rakesh Agrawal, Nimrod Megiddo, Ramakrishnan Srikant

ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data June 1997 Volume 26 Issue 2

A range query applies an aggregation operation over all selected cells of an OLAP data cube where the selection is specified by providing ranges of values for numeric dimensions. We present fast algorithms for range queries for two types of aggregation operations: SUM and MAX. These two operations cover techniques required for most popular aggregation operations, such as those supported by SQL. For range-sum queries, the essential idea is to precompute some auxiliary information ...

Towards on-line analytical mining in large databases

Jiawei Han
ACM SIGMOD Record March 1998
Volume 27 Issue 1

Perspectives on database theory
Mihalis Yannakakis
ACM SIGACT News September 1996

Enhancing database correctness: a statistical approach

Wen-Chi Hou , Zhongyang Zhang

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Volume 36 Issue 7

6 Enhancing data warehouse performance through query caching 97% Aditya N. Saharia , Yair M. Babad ACM SIGMIS Database June 2000

Volume 31 Issue 3

Volume 27 Issue 3

The main function of a data warehouse is the separation of the decision layer from the operation layer so that users can invoke analysis, planning, and decision support applications without having to worry about constantly evolving operational databases. Such applications allow ad hoc queries for which no predefined reports exist. It is possible that an ad hoc query is submitted by different users or even by the same user at different times, requiring its repeated evaluations even though the con ...

Conceptual schema analysis: techniques and applications
 S. Castano , V. De Antonellis , M. G. Fugini , B. Pernici
 ACM Transactions on Database Systems (TODS) September 1998
 Volume 23 Issue 3

The problem of analyzing and classifying conceptual schemas is becomig increasingly important due to the availability of a large number of schemas related to existing applications. The purposes of schema analysis and classification activities can be different: to extract information on intensional properties of legacy systems in order to restructure or migrate to new architectures; to build libraries of reference conceptual components to be used in building new applications in a given domai ...

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Surajit Chaudhuri , Umeshwar Dayal ACM SIGMOD Record March 1997 Volume 26 Issue 1

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Tomasz Imielinski , Heikki Mannila
Communications of the ACM November 1996
Volume 39 Issue 11

**10** Browsing large digital library collections using classification

92%

ৰী hierarchies

S. Geffner , D. Agrawal , A. El Abbadi , T. Smith Proceedings of the eighth international conference on Information and knowledge management November 1999

Summarization of intermediary query result sets plays an important role when users browse through digital library collections. Summarization enables users to quickly digest the results of their queries, and provides users with important information they can use to narrow their search interactively. Techniques from the field of data analysis may be applied to the problem of generating summaries of query results efficiently. Such techniques should permit the incorporation of classification in the incorporation in the i

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Paul Gray , Hugh J. Watson ACM SIGMIS Database June 1998 Volume 29 Issue 3

Many large organizations have developed data warehouses to support decision making. The data in a warehouse are subject oriented, integrated, time variant, and nonvolatile. A data warehouse contains five types of data: current detail data, older detail data, lightly summarized data, highly summarized data, and metadata. The architecture of a data warehouse includes a backend process (the extraction of data from source systems), the warehouse, and the front-end use (the accessing of data from the ...

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features in IVF

Igor Jurisica , Janice Glasgow Proceedings of the 2000 ACM symposium on Applied computing 2000 March 2000

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